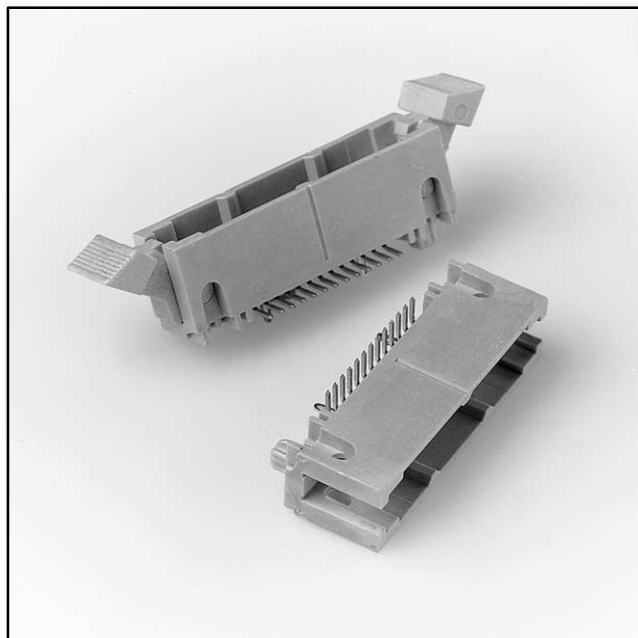


.050" × .100" Tripolarized, Latch/Ejector Header

Straight, 4 Wall, Surface Mount

810 Series



303

- Tripolarization to mini socket
- 50 mil × 100 mil double board density
- Nine sizes (20–100 position)
- Latch and eject feature
- High temperature dielectric

Date Modified: March 11, 2002

TS-0583-09
Sheet 1 of 3

Physical

Insulation

Material: High Temperature Plastic (LCP)
Flammability: UL 94V-0
Color: Ivory (Natural)

Contact

Material: Copper Alloy

Plating

Underplate: 100 μ " [2.54 μ m] Nickel — QQ-N-290, Class 2
Wiping Area: 30 μ " [0.76 μ m] Gold — MIL-G-45204, Type II, Grade C
Solder Tails: 100 μ " [2.54 μ m] 90/10 Tin Lead

Marking: 3M Logo, Part Number Identification and Orientation Triangle

Electrical

Current Rating: 0.5 A
Insulation Resistance: $> 1 \times 10^9 \Omega$ at 500 Vdc
Withstanding Voltage: 500 Vrms at Sea Level

Environmental

Temperature Rating: -55°C to $+105^\circ\text{C}$
Process Rating: 250°C @ 90 seconds Max

UL File No.: E68080

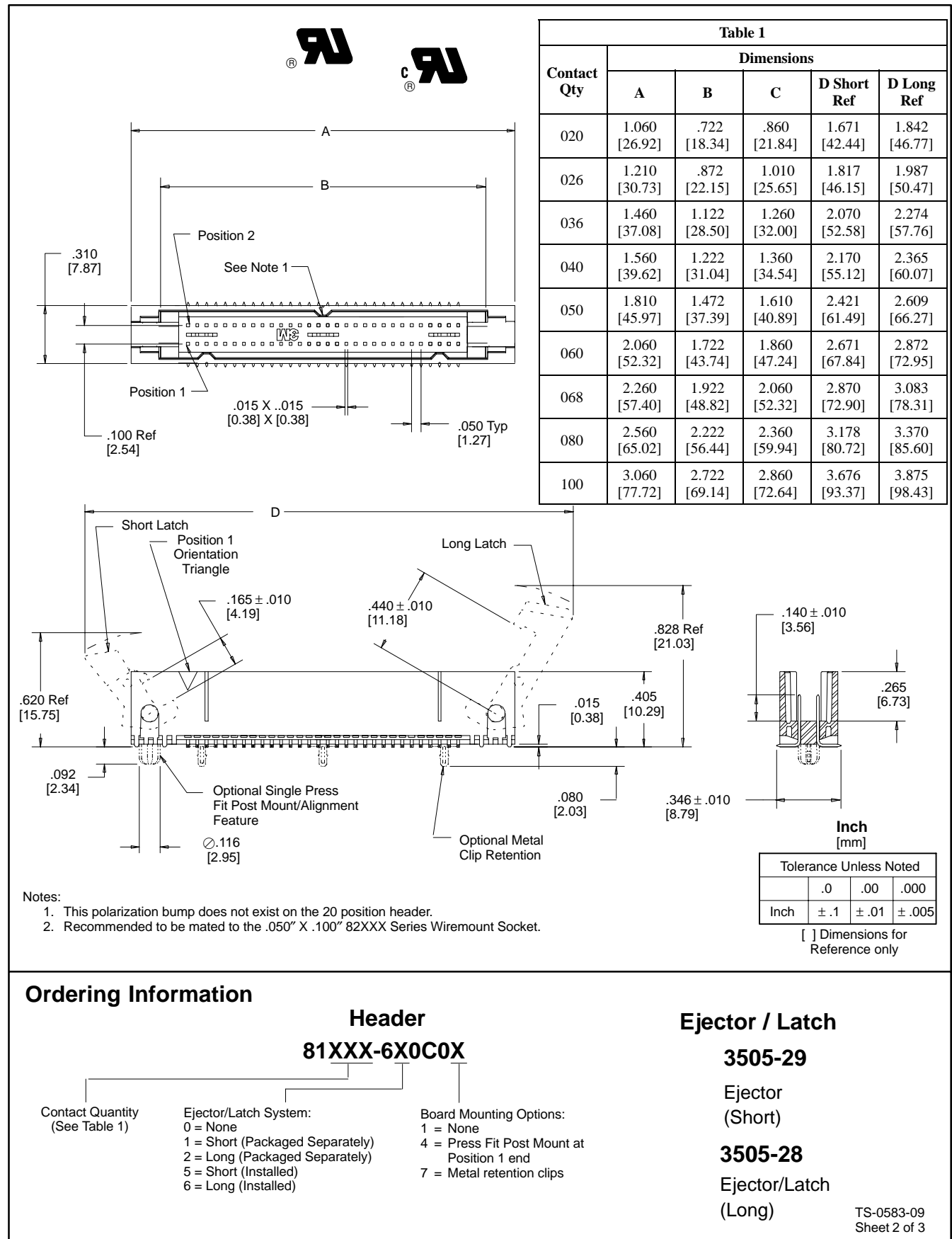
3M Interconnect Solutions Division

<http://www.3M.com/interconnects/>

For technical, sales or ordering information call
800-225-5373

.050" × .100" Tripolarized, Latch/Ejector Header Straight, 4 Wall, Surface Mount

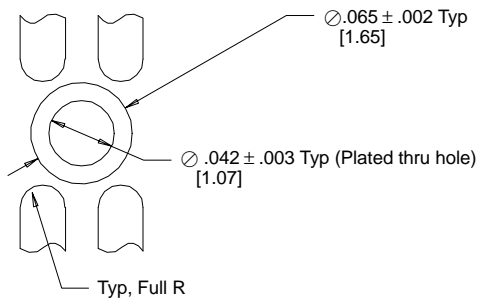
810 Series



.050" × .100" Tripolarized, Latch/Ejector Header

Straight, 4 Wall, Surface Mount

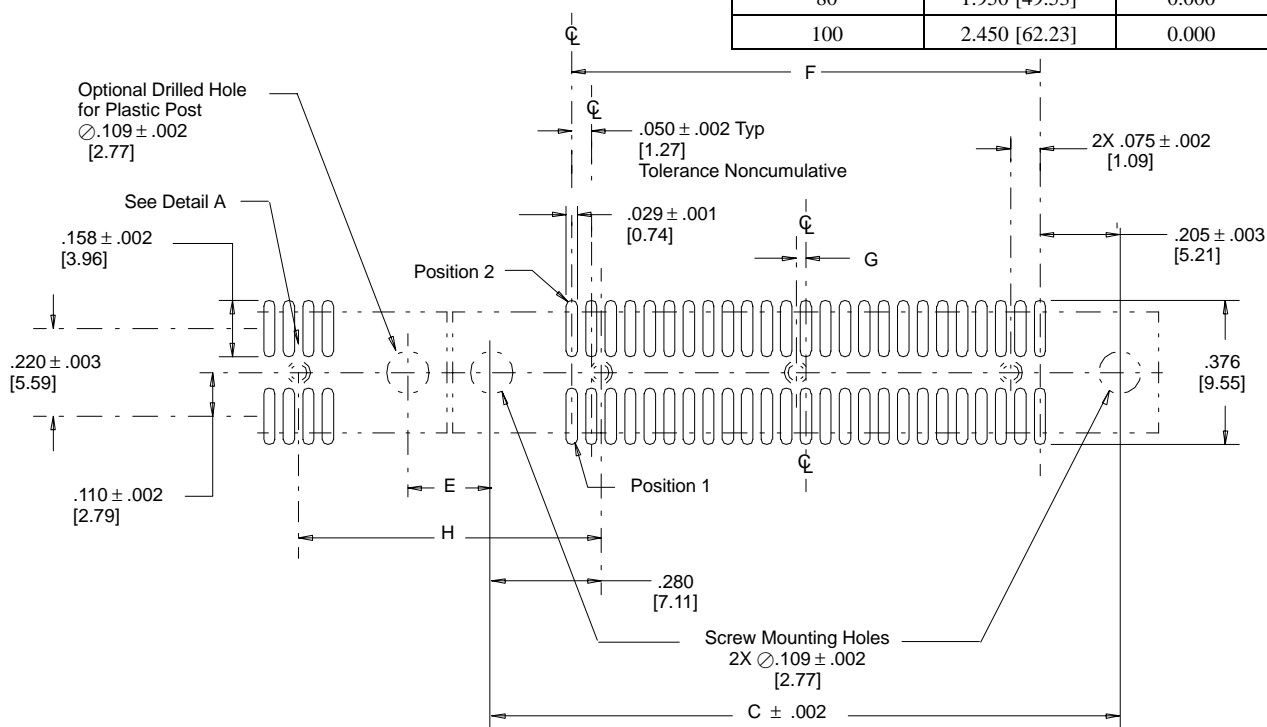
810 Series



Detail A
Optional plated thru hole
for metal clip retention

Table 3		
Ejector Latches	Dimensions	
	E Min	H Min
No	.215 [5.46]	.775 [19.69]
Short	.525 [13.34]	1.085 [27.56]
Long	.650 [16.51]	1.21 [30.73]

Table 2		
No. of Positions	Dimensions	
	F	G
20	.450 [11.43]	N/A
26	.600 [15.24]	N/A
36	.850 [21.59]	N/A
40	.950 [24.13]	N/A
50	1.200 [30.48]	.025 [6.35]
60	1.450 [36.83]	0.000
68	1.650 [41.91]	0.000
80	1.950 [49.53]	0.000
100	2.450 [62.23]	0.000



Recommended Mounting Hole Pattern
(Shown for mounting side of PC Board)

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Sheet 3 of 3